



# Anti-L. pneumophila Polyclonal antibody (DPAB1396)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Reacts with L. pneumophila serogroups 1-12 in IFA. Recognizes all antigens of intact microorganism. Antiserum is not absorbed and may cross-react with related microorganisms.
<b>Target</b>	L. pneumophila
<b>Immunogen</b>	A whole cell preparation of Legionella pneumophila; ATCC #33152
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	L. pneumophila
<b>Purification</b>	Purified IgG fraction covalently coupled with a highly purified preparation of horseradish peroxidase (RZ3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is absent.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in immunocytochemistry (acetone-fixed organisms) and ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	HRP, Liquid
<b>Concentration</b>	1-2mg/ml (OD280nm, E0.1% = 1.4)
<b>Size</b>	1 ml
<b>Buffer</b>	PBS containing 10mg/ml BSA

<b>Preservative</b>	None
<b>Storage</b>	Short-term (up to 6 months) store at 2-8°C under subdued light. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

## BACKGROUND

<b>Introduction</b>	Legionella pneumophila is a flagellated gram negative bacterium found primarily in warm water environments. Legionella pneumophila causes a type of pneumonia called Legionnaire disease and a milder condition called Pontiac fever. Infection is acquired through inhalation of the microorganism in water mists (e.g. from air conditioning, cooling towers, whirlpool spas and showers mists). A number of risk factors for acquiring Legionnaire disease have been identified, including age, smoking, chronic lung disease, cancer, and immunosuppression.
<b>Keywords</b>	Proteobacteria; Gamma Proteobacteria; Legionellales; Legionellaceae; Legionella; L. pneumophila; Legionella pneumophila Fluorescein